

Product sheet

DAN-G | 300162

General information

Description	DAN-G is a cell line derived from a patient with a diagnosis of acute myeloid leukemia (AML). It is characterized by a high degree of heterogeneity and is used for research purposes. The cell line is maintained in suspension culture in the presence of growth factors.
Organism	Human
Tissue	Leukemia
Disease	Acute Myeloid Leukemia (AML)
Synonyms	DAN-G, DAN-G, DAN-G

Characteristics

Age	68 years
Gender	Male
Morphology	Leukemia cells
Growth properties	Highly proliferative

Identification and safety

Citation	DAN-G (Cell Line) Cytion 300162
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0243

Protein expression

Protein expression	P53 (low)
---------------------------	-----------

DAN-G | 300162

Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not leave the cells in the water bath for more than 5 minutes. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into 8 µl of medium in a 96-well plate.
3. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere.
4. After 24 hours, the cells should be at 70% confluency.
5. Harvest the cells by centrifugation at 300 x g for 3 minutes. Resuspend the cells in 10 µl of medium.
6. Seed the cells into a 96-well plate at 10 µl per well.
7. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere.
8. Harvest the cells by centrifugation at 300 x g for 3 minutes. Resuspend the cells in 10 µl of medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Adherent cells: 100 µg/ml of coating solution, 15 minutes at 37°C

Freezing Procedure Harvest cells by centrifugation at 300 x g for 3 minutes. Resuspend cells in 10 µl of freezing medium. Freeze cells in a pre-cooled vial at -78°C.

Shipping Conditions Store cells at -78°C in a dry ice container. Ship cells in a dry ice container.

Storage Conditions Store cells at -150°C in a vial. Store cells for up to 196 days.

Genotype / Phenotype / HLA

Sterility Cells are free of mycoplasmas and other contaminants. PCR screening is performed on all cell batches.

XXXXXXXX DAN-G | 300162

XXXXXX HLA

A*: 02:01:01
B*: 07:02:01, 13:02:01
C*: 06:02:01, 07:02:01
DRB1*: 07:01:01, 15:01:01
DQA1*: '01:02:01, '02:01:01
DQB1*: '02:02:01, '06:02:01
DPB1*: 04:01:01, 17:01:01
E: 01:03:02